



### Boral Quarries Teven

Meeting date	27 July 2024
Meeting location	Teven Quarry
Disclaimer	<p>These notes are taken from presentations and conversations which formed part of this meeting. The content of this document, while reflecting an accurate summary of proceedings, should not be taken to represent exact dialogue unless specifically minuted as such.</p>
Meeting commenced	<p>The CCC meeting was held in conjunction with the Quarry Community Open Day which commenced at 9am.</p>
Teven Quarry General Information	<p>Boral operates the Teven Quarry in accordance with Development Consent 1995/292 ("the Consent") which was granted by the NSW Land and Environment Court on 27 June 1996. The Consent has subsequently been modified twice by Council. The consent allows for the extraction of approximately 4.1 million tons (Mt) of basalt material with a termination date of 27 June 2026.</p> <p>The current consent for production is 500,000 tonnes per annum with a current extraction rate is 240,000 tonnes per annum. The quarry can have up to 140 truck movements per day (70 vehicles). We have 9 machines on site, 3 loaders, 1 excavator, 1 water cart, 2 haul trucks, a forklift and bobcat at the quarry site.</p>
Dust Management	<p>We monitor dust at four sites across our site. The quarry has an annual target of four grams per square metre, per month of insoluble solids.</p> <p>Boral has a comprehensive dust management framework to ensure we are using modern management practices and dust control technology. Our dust monitoring results are published on the Boral website</p>
Weed Management	<p>The quarry has a weed management plan, with the priority areas along the property boundary and the top of the hill. We are re-establishing a vegetation corridor along the eastern boundary of the property. There is a focus on removing targeted weeds and maintenance of weed growth.</p>
Blasting	<p>There is a blast once a month in the quarry, each blast produces over 20,000 tonnes of rock.</p> <p>We use 3.5 – 4 tonnes of explosive emulsion per blast and monitor overpressure (noise) and ground vibration for every blast at multiple points, we then publish the monitoring results on the Boral webpage.</p>

Employees

Teven Quarry has 11 full time employees. Our longest serving staff member with 31 years of service is Shane and our newest team member is Chris who joined us 6 months ago.

Prospective Expansion

Boral is planning a future new State significant development application – preliminary investigation of planning pathway.

The application will seek to extract and process <500,000tpa of resource in substages 1.1 and 1.2.

Receive and store <5,000tpa of returned concrete and washout for product blending.

A new heavy vehicle access point and internal road from North Teven Road, weighbridge, pre-coat area, self-bunded tank and blending plant.

Upgrade crusher and associated infrastructure.

Overburden emplacement towards northwestern corner.

Realign existing high voltage electricity supply line.

## Overview of the Approved and Proposed Activities



Component or Activity	Originally Approved Operation	Proposed Modifications
Total Area of Disturbance	The 1995 EIS identified that extraction would be undertaken within an area of 14.7ha (existing disturbance) + 6.2ha (basalt quarry extension).	No change is proposed to the total area of disturbance. Additional extraction of basalt resource will be sourced wholly from within the existing basalt pit and a small area of previously disturbed Category 1 land.
Approved Resource	4.1 million tonnes of basalt.	The Company is seeking to extract, process and transport an additional maximum 1.0Mt of basalt material.
Life of the Quarry	The original development application was approved for a total of 20 years from date of grant (i.e. until 27 June 2016).	The proposed modification would result in an additional 15 years of operation from what was originally approved, and an additional 5 years from the current approval, until 27 June 2031.
Maximum Annual Product Despatch Level	The total amount of material which can be removed from the site shall not exceed 500,000 tonnes in any calendar year. Overburden or quarry spoil additional to the 500,000 tonnes can only be removed from the site in accordance with Section 4.5 of the 1995 EIS.	The proposed modification would not change the approved maximum annual production level.
Extraction Limits	The basalt quarry consists of 3 benches (RL 22m, RL 35m and RL 48m) with face heights between 12 and 14 metres. The quarry, ranging in width from 45 to 75 metres, is contained within the core of the hill and is only open to the south-east.	It is proposed that there would be an increase to the depth of extraction within the existing approved basalt extraction area to approximately 7m AHD.
Processing	Processing occurs within the crushing and screening facilities in the southern end of the Quarry Site. Rock is processed through a fixed crushing and screening plant which has a capacity of 200 tonnes per hour. Only one type of rock is processed at a time to avoid mixing of basalt and argillite. Raw feed is tipped into a primary crusher and	No Change

	then secondary crusher for sorting into specific sizes. Depending on demand, a pre-coated sealing aggregate is pre-coated and produced for immediate transportation to market destinations.	
Silt / Fines Management	Fine materials or silts that are removed in processing activities are directed to settling ponds. The material is periodically removed from settling ponds and stockpiled to dry.	No Change
Water Management System	<p>All runoff from disturbed areas of the quarry is either contained within a sump or leaves the property at a licensed discharge point.</p> <p>Overflow from the spring-fed water storage dam, located east of the basalt quarry, occurs on a constant basis even during prolonged periods without rainfall. This dam collects all clean water run-off from the undisturbed land surrounding the quarry. The overflow from the dam flows into the southeastern corner of the basalt quarry and then directly into a natural watercourse which ultimately flows into Maguires Creek.</p>	No Change
Employment	Eleven full-time personnel are employed at the Quarry.	No Change
Traffic Levels	The current approved rate of materials removed must not exceed 500,000 tonnes per year. As originally approved, the approved maximum rate of product despatch is restricted to 140 loads per day with an average of 57 loads per day.	No Change
Transportation Route	Quarry-related product transport exits the Quarry onto North Teven Road, with 60 percent of dispatches travelling south from the Quarry, 20 percent travelling northwest toward Lismore via the Bruxner Highway, and 20 percent travelling north toward Brisbane via the Pacific Highway. Some traffic may use alternative routes when required for local deliveries or to reach alternative destinations.	No Change

On-site Administration and Amenities	Site office, workshop, stores and amenities.	No Change
Waste Management	Non-production wastes, such as general rubbish, recyclables, waste oil, tyres and batteries, are removed to a licenced waste facility by a licenced contractor.	No Change
Rehabilitation	Rehabilitation for the Quarry is progressive and ongoing and includes the development of a final landform which is stable and would not preclude possible alternative land uses.	The final landform would necessarily change to reflect changes to the final depth of extraction; however, methodologies would remain consistent with that originally approved.

Hours of Operation	See table below	Generally, more restrictive hours of operation than that originally approved, however, no change from existing approved hours of operation.
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As originally approved, hours of operation are as follows.

	<b>Monday to Friday</b>	<b>Saturday</b>	<b>Sundays / Public Holidays</b>
Extraction	7:00am to 7:30pm	7:00am to 5:00pm	No Activity
Blasting	9:00am to 4:00pm	9:00am to 11:00am	No Activity
Processing	7:00am to 7:30pm	7:00am to 5:00pm	No Activity
Loading	7:00am to 7:30pm	7:00am to 5:00pm	No Activity
Transport of Product	7:00am to 7:30pm	7:00am to 5:00pm	No Activity
Maintenance	6:00am to 10:30pm	6:00am to 6:00pm	

It is noted that these hours of operation were subsequently updated as part of a modification to the Consent with current approved hours as follows.

	<b>Monday to Friday</b>	<b>Saturday</b>	<b>Sundays / Public Holidays</b>
Excavation, Loading and Transportation	7:00am to 5:00pm	7:00am to 3:00pm <sup>1</sup>	No Activity
Processing by Fixed and Mobile Crushing Plant	7:00am to 6:00pm	No Activity	No Activity
Blasting	9:00am to 4:00pm	No Activity	No Activity
Maintenance of Plant outside the Workshop	6:00am to 6:00pm	6:00am to 6:00pm	No Activity
Maintenance Operations inside the Workshop	6:00am to 10:30pm	6:00am to 6:00pm	No Activity